

FIG. 1

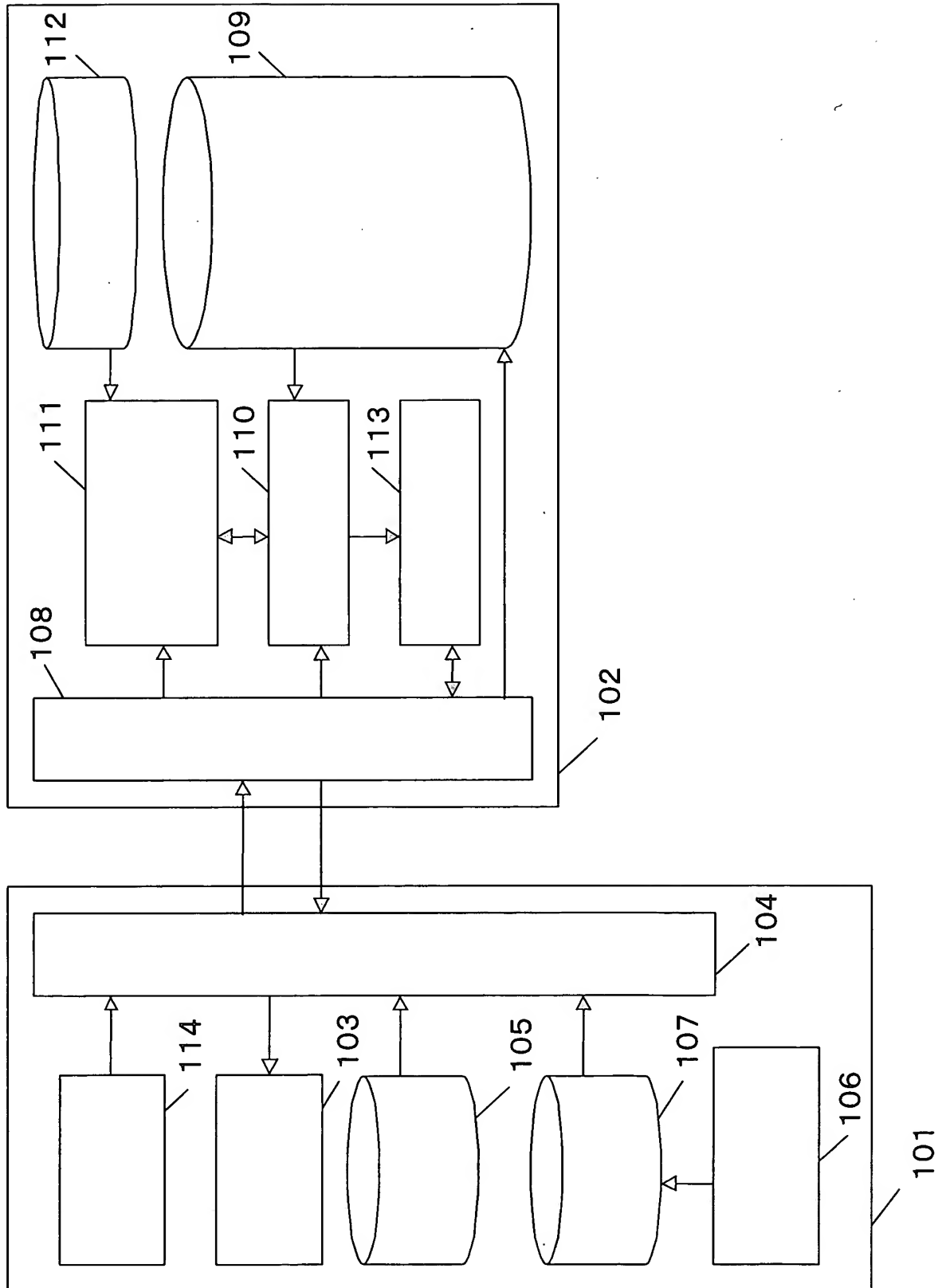


FIG.2

```

<?xml version="1.0"?>
<rdf:RDF xmlns:rdf=http://www.w3.org/1999/02/22-rdf-syntax-ns#>
  <rdf:Description>
    <prf:Vendor>Panasonic</prf:Vendor>
    <prf:ImageCapable>Yes</prf:ImageCapable>
    <prf:ColorCapable>Yes</prf:ColorCapable>
    <prf:BitsPerPixel>24</prf:BitsPerPixel>
    <prf:ScreenSize>120x102</prf:ScreenSize>
    <prf:Gamma>2.1 </prf:Gamma>
    <prf:RedColorant>(0.64,0.33) </prf:RedColorant >
    <prf:GreenColorant>(0.30,0.60) </prf:GreenColorant>
    <prf:BlueColorant>(0.15,0.06) </prf:BlueColorant>
    <prf:WhiteColorant>(0.3127,0.3290) </prf:WhiteColorant>
    <prf:Luminance>100</prf:Luminance>
    <prf:AmbientIlluminant>dark</prf: AmbientIlluminant >
    <prf:CcppAccept>
      <rdf:Bag>
        <rdf:li>image/gif</rdf:li>
      </rdf:Bag>
    </prf:CcppAccept>
  </rdf:Description>
</rdf:RDF>

```

FIG.3

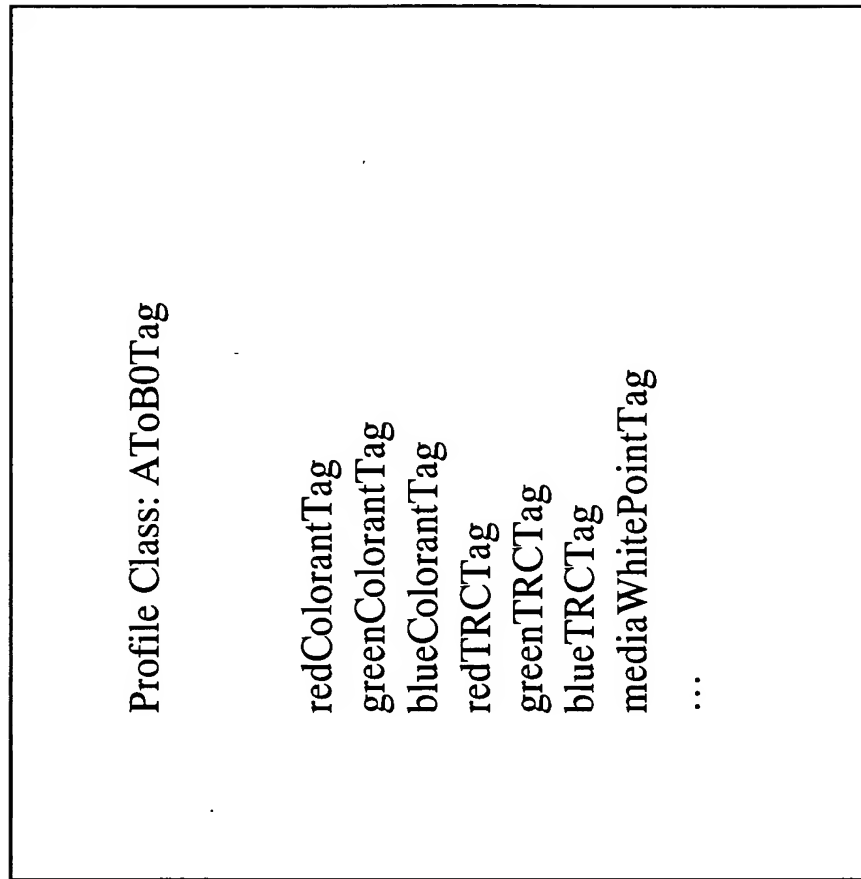


FIG.5

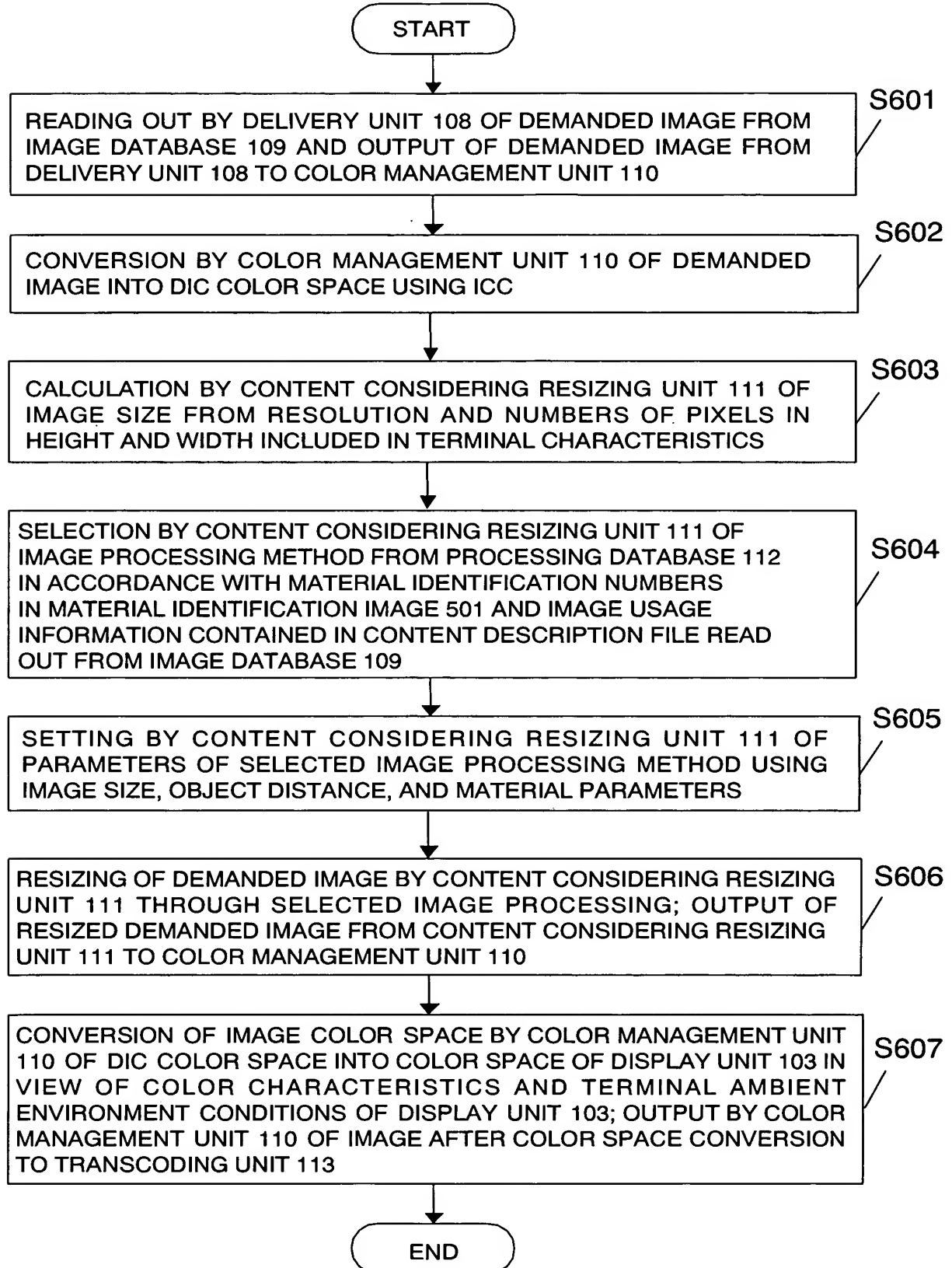


FIG.6

MATERIAL IDENTIFICATION NUMBER	IMAGE USAG	NATURAL IMAGE	CG
1: METAL		GRANULARITY EMPHASIS PROCESSING + GLOSSINESS AND LIGHTNESS EMPHASIS PROCESSING	GLOSSINESS AND LIGHTNESS EMPHASIS PROCESSING + COLOR GAMUT ENLARGEMENT PROCESSING
2: PLASTIC		GRANULARITY EMPHASIS PROCESSING + GLOSSINESS AND LIGHTNESS EMPHASIS PROCESSING	GLOSSINESS AND LIGHTNESS EMPHASIS PROCESSING + CHROMATICNESS EMPHASIS PROCESSING + COLOR GAMUT ENLARGEMENT PROCESSING
3: VINYL		GRANULARITY EMPHASIS PROCESSING + IMAGE GAMMA CONVERSION PROCESSING + EDGE EMPHASIS PROCESSING	IMAGE GAMMA CONVERSION
4: GLASS		GRANULARITY EMPHASIS PROCESSING + IMAGE GAMMA CONVERSION	IMAGE GAMMA CONVERSION
5: CLOTH		GRANULARITY EMPHASIS PROCESSING + EDGE EMPHASIS PROCESSING	CHROMATICNESS EMPHASIS PROCESSING + COLOR GAMUT ENLARGEMENT PROCESSING
6: OTHERS		GRANULARITY EMPHASIS PROCESSING + EDGE EMPHASIS PROCESSING	COLOR GAMUT ENLARGEMENT PROCESSING

FIG.7A

MATERIAL GRANULARITY	OBJECT DISTANCE	
	30cm	50cm
$\sigma < 1$ mm	3	5
$1 \text{ mm} < \sigma < 1 \text{ cm}$	2	3
$1 \text{ cm} < \sigma < 3 \text{ cm}$	1	2
$3 \text{ cm} < \sigma$	1	2

FIG.7B

MATERIAL IDENTIFICATION NUMBER	TARGET IMAGE SIZE	
	120x150	1280x1024
1: METAL	2	1
2: PLASTIC	5	3
3: VINYL	1	1
4: GLASS	1	1
5: CLOTH	5	3
6: OTHERS	3	3

FIG.8

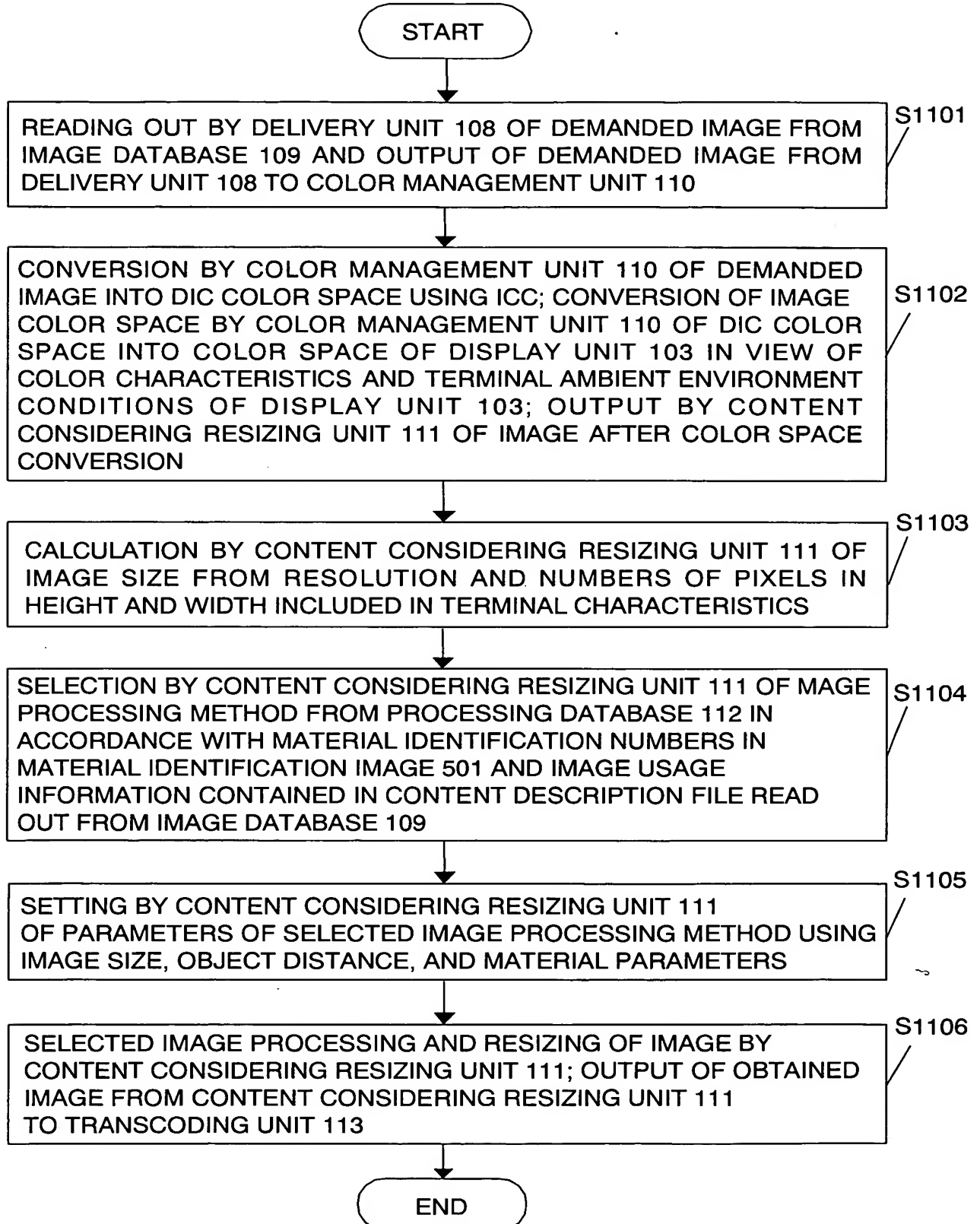


FIG.9

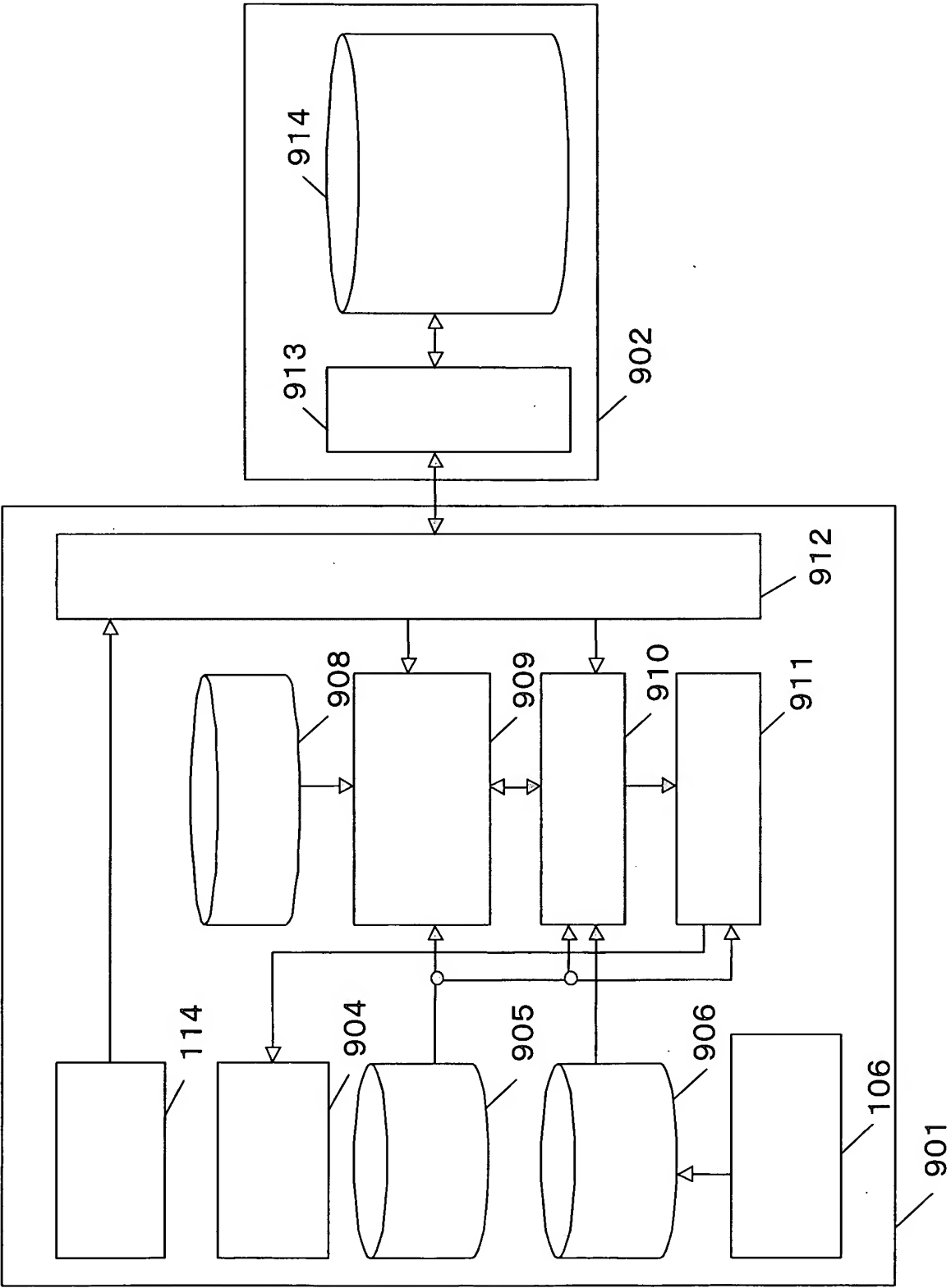


FIG.10

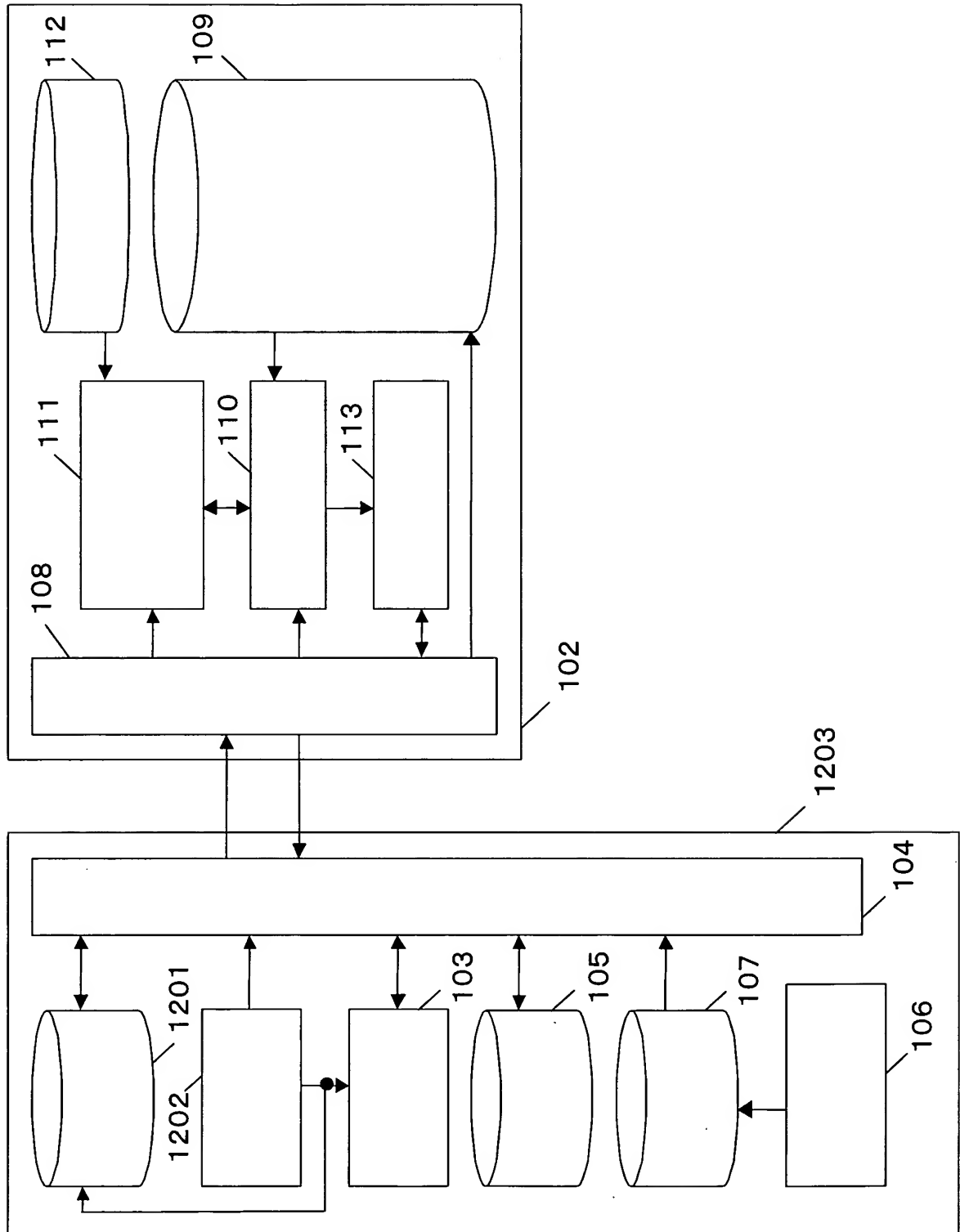


FIG.11

USER IMAGE PREFERENCE	USER IMAGE DISPLAY HISTORY	USER PROFILE
USER A CG: TEXTURE EMPHASIS DEGREE: 5 NATURAL IMAGE: TEXTURE EMPHASIS DEGREE: 2	TEXTURE EMPHASIS DEGREE HISTORY OF FIVE LATEST IMAGES CG: 5, 3, 4, 4, 2 NATURAL IMAGE: 0, 1, 2, -1, 3	AGE 10
		VISUAL HANDICAP NONE
		VISUAL POWER RIGHT 1.5 LEFT 1.5
		AGE 15
USER B CG: TEXTURE EMPHASIS DEGREE: 4 NATURAL IMAGE: TEXTURE EMPHASIS DEGREE: -3	TEXTURE EMPHASIS DEGREE HISTORY OF FIVE LATEST IMAGES CG: 4, 4, 3, 2, 4 NATURAL IMAGE: -1, -4, -2, -5, 0	VISUAL HANDICAP NONE
		VISUAL POWER RIGHT 1.2 LEFT 1.3
		AGE 20
		VISUAL HANDICAP NONE
USER C CG: TEXTURE EMPHASIS DEGREE: -2 NATURAL IMAGE: TEXTURE EMPHASIS DEGREE: 1	TEXTURE EMPHASIS DEGREE HISTORY OF FIVE LATEST IMAGES CG: -4, -2, -1, 0, -1 NATURAL IMAGE: 0, 1, 2, -1, 0	VISUAL POWER RIGHT 1.0 LEFT 0.8

1001

1002

1003

FIG.12

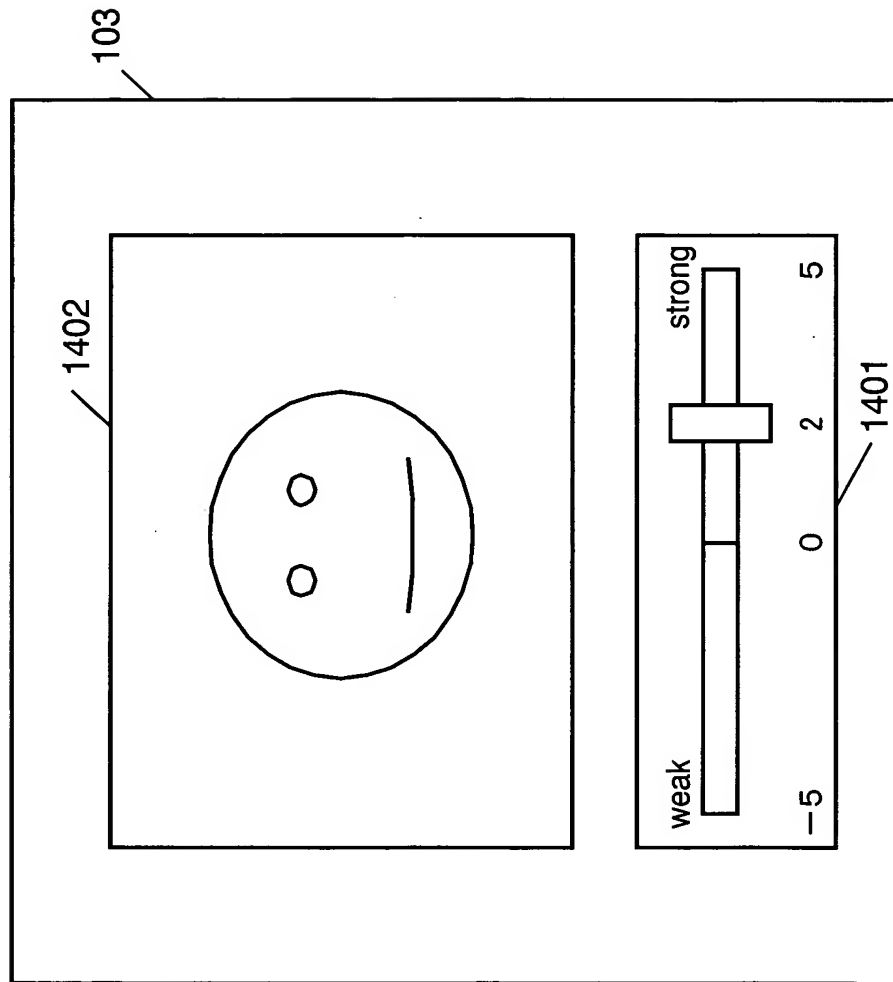


FIG.13

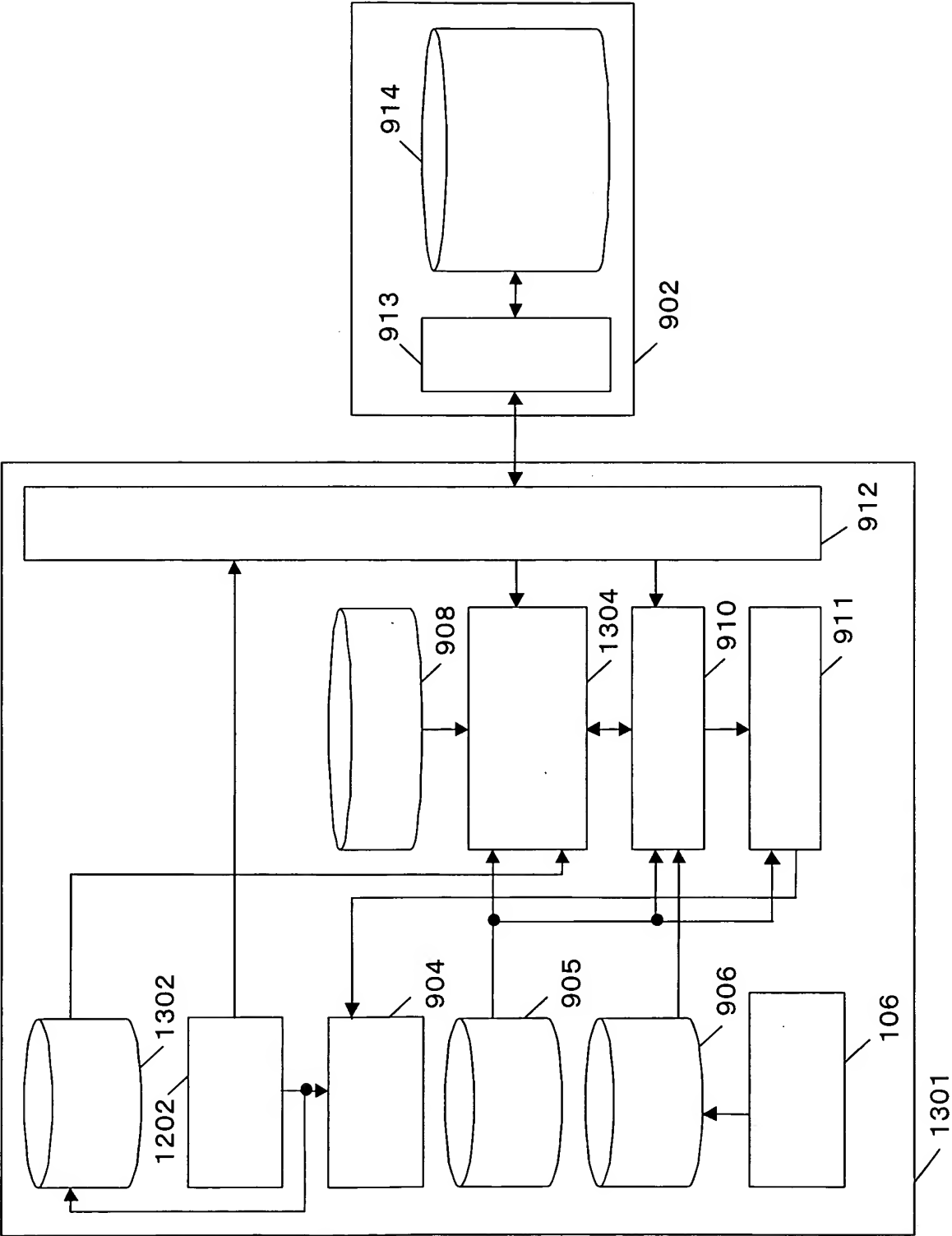


FIG.14

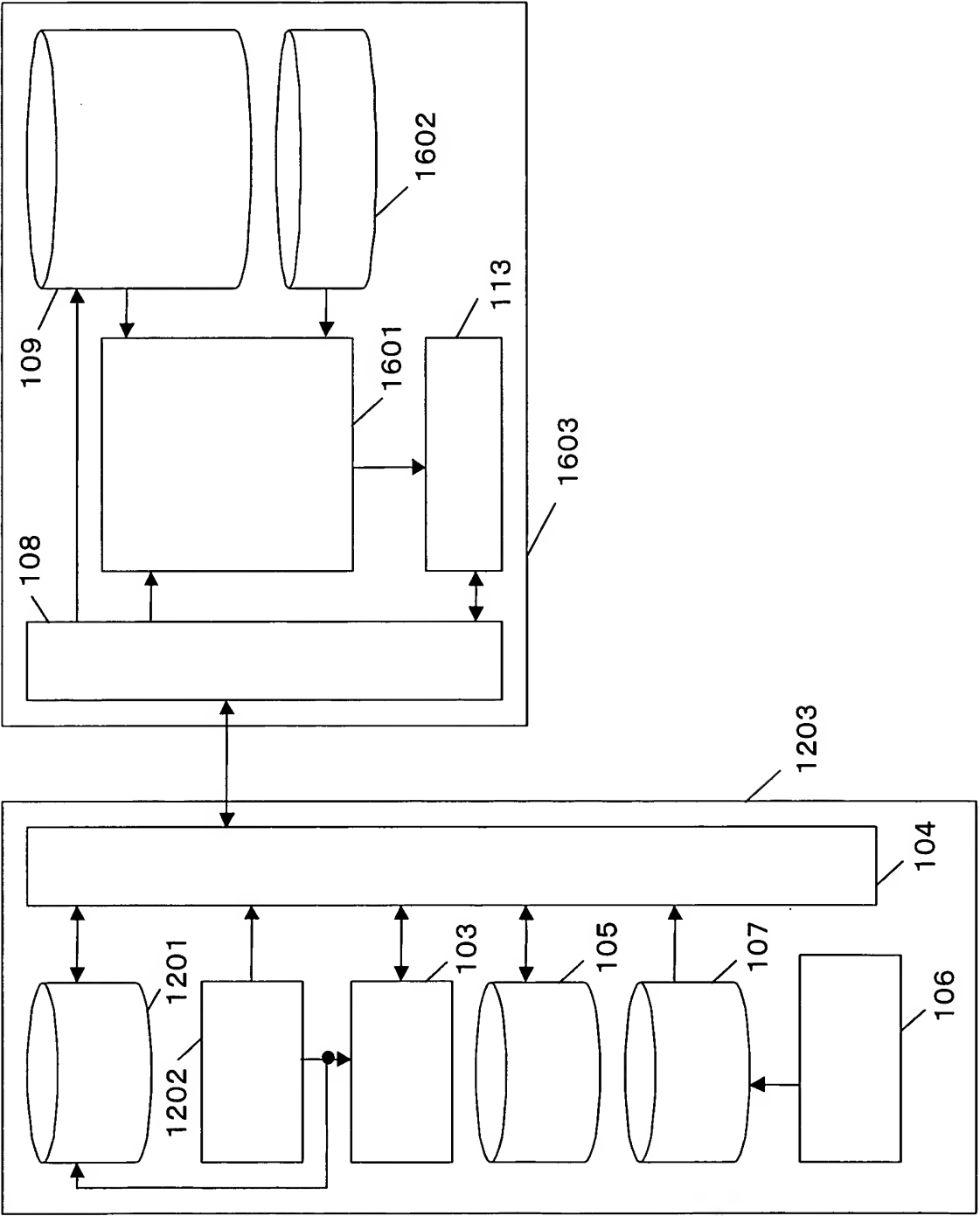


FIG.15

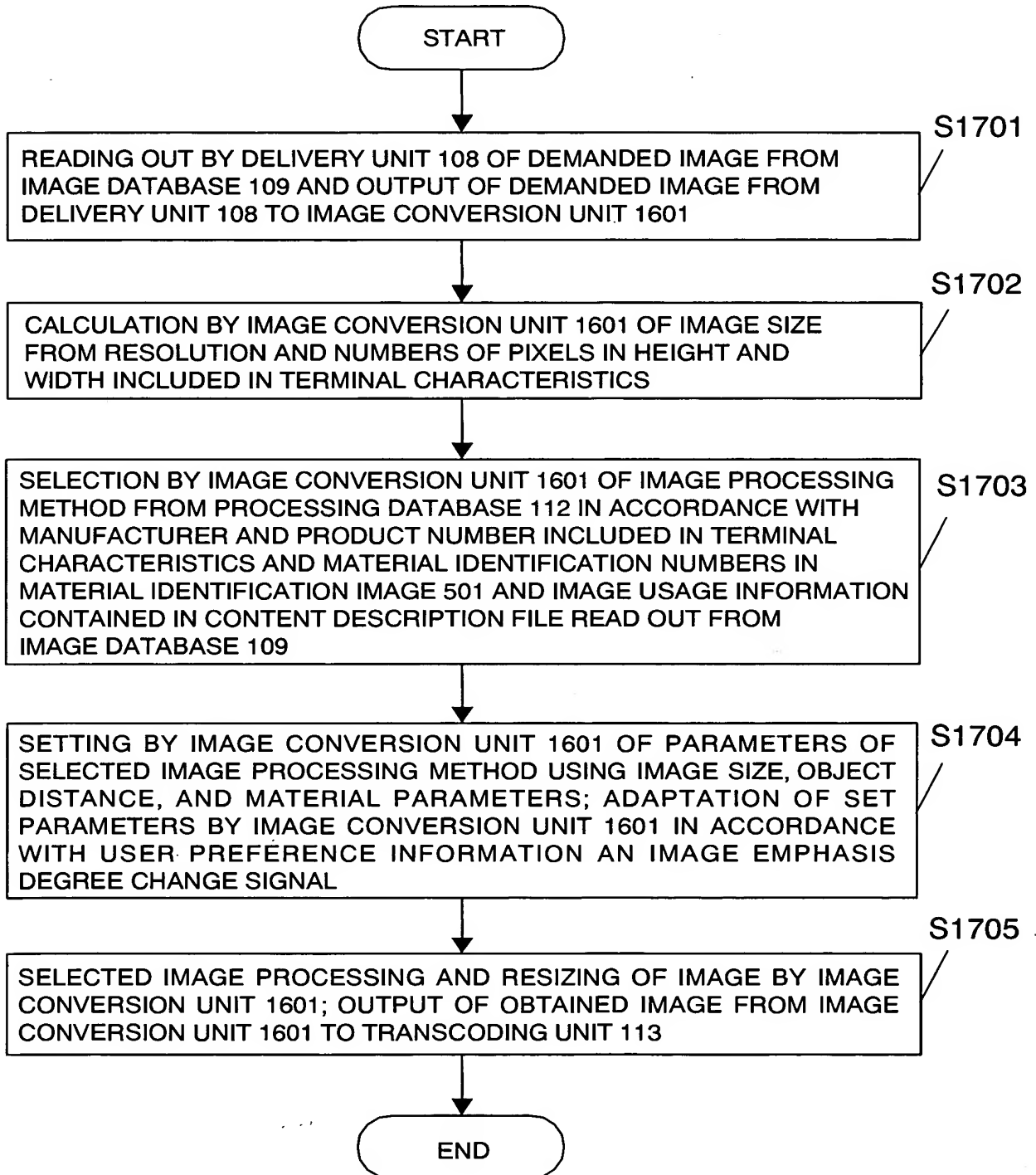


FIG.16

MANUFACTURER: MATERIAL IDENTIFICATION NUMBER	MANUFACTURER A: A001	MANUFACTURER B: B001
1: METAL	LUT + GRANULARITY EMPHASIS PROCESSING + GLOSSINESS AND LIGHTNESS EMPHASIS PROCESSING	3 x 3 MATRIX + GLOSSINESS AND LIGHTNESS EMPHASIS PROCESSING
2: PLASTIC	LUT + GRANULARITY EMPHASIS PROCESSING + GLOSSINESS AND LIGHTNESS EMPHASIS PROCESSING	3 x 3 MATRIX + GLOSSINESS AND LIGHTNESS EMPHASIS PROCESSING
3: VINYL	GRANULARITY EMPHASIS PROCESSING + IMAGE GAMMA CONVERSION PROCESSING + EDGE EMPHASIS PROCESSING	GRANULARITY EMPHASIS PROCESSING + IMAGE GAMMA CONVERSION PROCESSING + EDGE EMPHASIS PROCESSING
4: GLASS	GRANULARITY EMPHASIS PROCESSING + IMAGE GAMMA CONVERSION PROCESSING	GRANULARITY EMPHASIS PROCESSING
5: CLOTH	LUT + GRANULARITY EMPHASIS PROCESSING + EDGE EMPHASIS PROCESSING	3 x 3 MATRIX + GRANULARITY EMPHASIS PROCESSING + EDGE EMPHASIS PROCESSING
6: OTHERS	GRANULARITY EMPHASIS PROCESSING + EDGE EMPHASIS PROCESSING	GRANULARITY EMPHASIS PROCESSING + EDGE EMPHASIS PROCESSING

FIG.17

